

LIST OF CURRENT CLAIMS

1. (Previously Presented) Method for identifying suspected counterfeit and/or counterfeit banknotes paid into an automatic teller machine, wherein banknotes to be paid in are checked for authenticity on the basis of data from a sensor device, comprising the steps:

linking data from the sensor device for the suspected counterfeit and/or counterfeit banknotes to an identity of a payer,

storing the data concerning the suspected counterfeit and/or counterfeit banknotes and the identity of the payer,

generating checking data for the suspected counterfeit and/or counterfeit banknotes by means of the sensor device or a sensor device similar to said sensor device, wherein checking data are generated by the sensor device or similar sensor device for one or more possible positions of the suspected counterfeit and/or counterfeit banknotes,

comparing the checking data with the stored data concerning the suspected counterfeit and/or counterfeit banknotes and determining the data concerning the suspected counterfeit and/or counterfeit banknote which has the closest agreement with the respective checking data,

and

identifying the respective suspected counterfeit and/or counterfeit banknote using the identity of the payer which is linked with the closest agreement to the data concerning the suspected counterfeit and/or counterfeit banknote.

2. (Previously Presented) Method according to Claim 1, wherein the suspected counterfeit and/or counterfeit banknotes are processed by means of the banknote processing machine for the generating of checking data for all four positions.

3. (Previously Presented) Method according to Claim 1, wherein the suspected counterfeit and/or counterfeit banknotes are processed by means of the banknote processing machine, for the generating of checking data in two banknote positions and wherein the sets of checking data for the two missing positions are obtained from the two sets of checking data generated by the banknote processing machine.

4. (Previously Presented) Method according to Claim 1, wherein the suspected counterfeit and/or counterfeit banknotes are processed for the generating of checking data in

one banknote position by means of the banknote processing machine, wherein for each suspected counterfeit and/or counterfeit banknote, two sets of checking data, respectively for the front and rear side are generated, and wherein the sets of checking data for the two missing positions are obtained from the two sets of checking data generated by the banknote processing machine.

5. (Previously Presented) Method according to Claim 1, wherein an identification number is used for each automatic teller machine, said identification number being linked to the data from the sensor device concerning the suspected counterfeit and/or counterfeit banknotes and that, for the identification of suspected counterfeit and/or counterfeit banknotes, only data concerning suspected counterfeit and/or counterfeit banknotes which have a particular identification number are compared with the checking data.

6. (Previously Presented) Method according to Claim 1, wherein data from the sensor device concerning the suspected counterfeit and/or counterfeit banknotes are linked to additional data concerning the banknotes which were determined during the paying in transaction, and that during identification of suspected counterfeit and/or counterfeit banknotes, only those checking data which have matching additional data are compared with the data concerning suspected counterfeit and/or counterfeit banknotes.

7. (Previously Presented) Method according to Claim 6, wherein the suspected counterfeit and/or counterfeit banknotes for the generating of the checking data are processed by means of the banknote processing machine in a banknote position, which is given in the additional data.

8. (Previously Presented) Method according to Claim 1, wherein the data of the sensor device concerning the suspected counterfeit and/or counterfeit banknotes comprises data from individual or all sensors of the sensor device.

9. (Previously Presented) Method according to Claim 1, wherein the sensor device for determining the authenticity of the banknotes detects features that are visible and/or invisible.